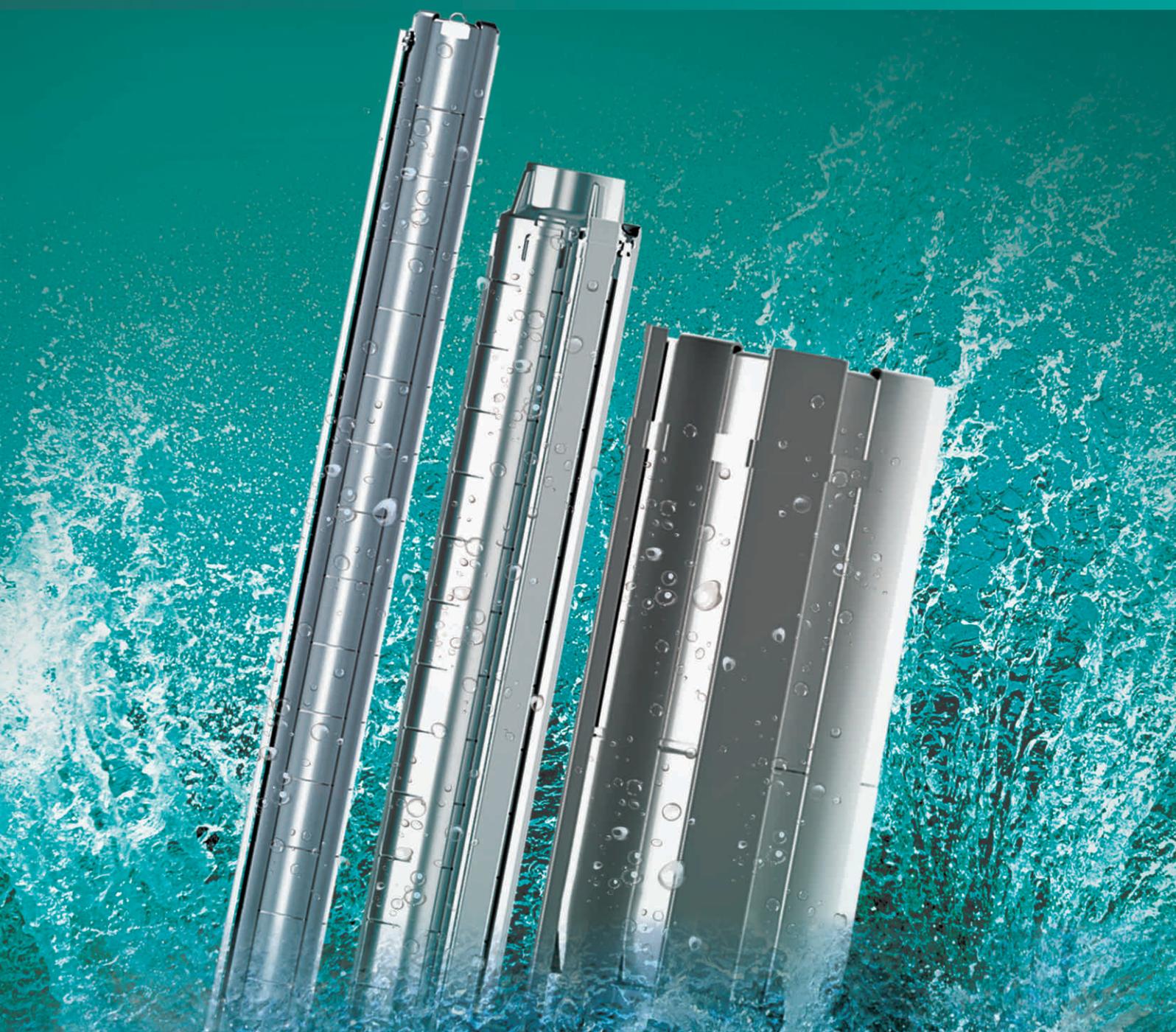




COMPACT, CORROSION-RESISTANT DESIGN WITH PRECISION
Balanced impellers for maximum hydraulic efficiency.



Products from an ISO 9001 COMPANY



4" SUBMERSIBLE PUMPS - 50 Hz

INDEX

TS SERIES - STAINLESS STEEL SUBMERSIBLE PUMPS

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GENERAL DATA

STAINLESS STEEL SUBMERSIBLE PUMPS > TS / TN / TL SERIES

Construction

Tormac stainless steel submersible pumps are ingeniously designed and developed employing latest engineering softwares, high-tech machinery, tools and cutting edge of pumping technology to deliver the best possible hydraulic efficiency. The complete stainless steel construction not only prevents the pumps from corrosion but also exceptionally increases the life-span. The integrated and most modern quality assurance systems used at every stage of the production and flawless workmanship ensure sustained and consistent operation.

All these submersible pumps are multistage single suction centrifugal type, provided with integral check-valve and NEMA standard coupling. These pumps are available with fabricated impellers and diffusers made of AISI 304/316/904L and the shaft is made of AISI 304/316/904L. The integral check valve prevents back flow and reduces the risk of water hammer which paves the way for trouble free performance. The suction screen is designed with utmost care so as not to reduce the inflow of water and at the same time to prevent damage to the pump and clogging due to the entry of sand and other foreign particles.

Applications

Fountains
Irrigation
Pressure booster systems
Public, Industrial & Private water supply systems
Air-conditioning equipments
Sprinkler systems and Mining
Farming
Water plants
Laboratories

Features

Tried and trusted
Highly efficient
Wide head and flow range with numerous models
Good sand resistance capacity, integral check valve
Corrosion free parts for hygiene
Low wear and tear
Perfectly & aesthetically designed and easily serviceable.

GENERAL DATA

Pumped Liquids

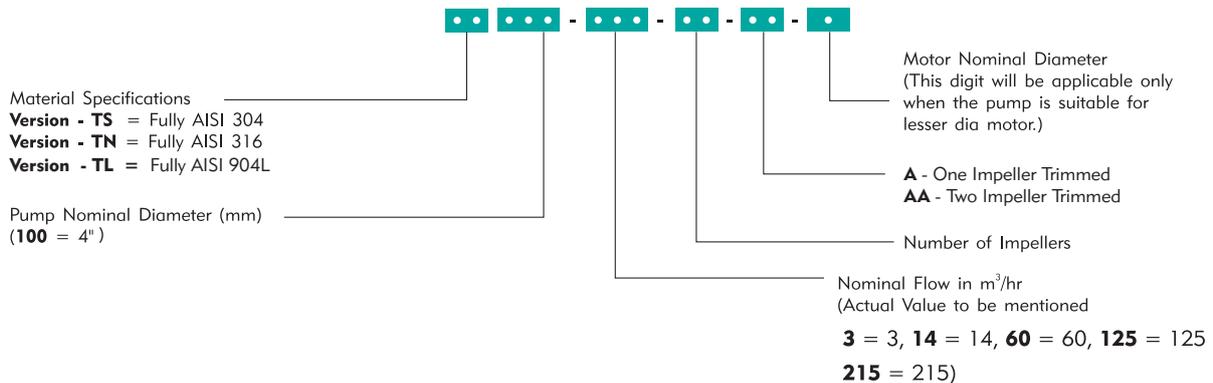
Non-aggressive, non explosive, Pure, cold, fresh water without abrasive particles having the following characteristics.

a) pH	6.5 to 8.5
b) Turbidity	50 ppm silica scale (max.)
c) Kinematic Viscosity	1 mm ² /s (1cSt) (max.)
d) Hardness (Drinking Water)	300 (max.)
e) Specific gravity	1.004 (max.)
f) Allowable solids	100 ppm (max.)
g) Chlorine ion density	500 ppm (max.)
i) Permissible amount of sand	50 g/m ³ (max.)
h) Temperature (max)	NBR-35°C / Viton-50°C

Pump Operating Limitations - TS / TN / TL Series

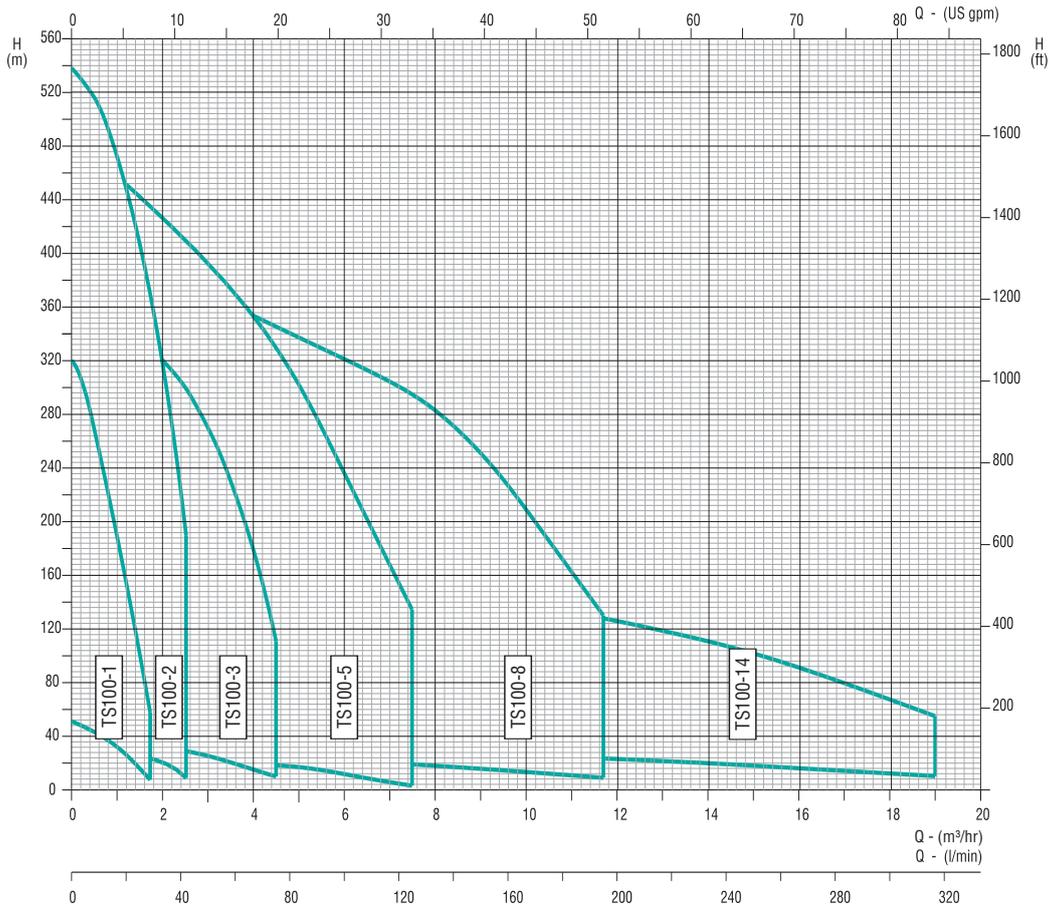
Nominal Diameter		4"
Power Range		0.37kW - 11kW
Speed		2900 rpm
Discharge Range	lpm	7.2 - 317
	m ³ /hr	0.4 - 19
Total Head Range	ft	13 - 1755
	m	4 - 535
Delivery size in mm		32, 40 & 50
Max. Operating Pressure		5.4 Mpa (54 bar)
Horizontal Installation		Minimum 30° angle
Shaft Coupling		Splines

Model Classification Borehole Submersible Pumps



GENERAL DATA

Quick Selection > TS Series > Version TS > 4"



Curve tolerance according to ISO 9906:2012, Grade 3B

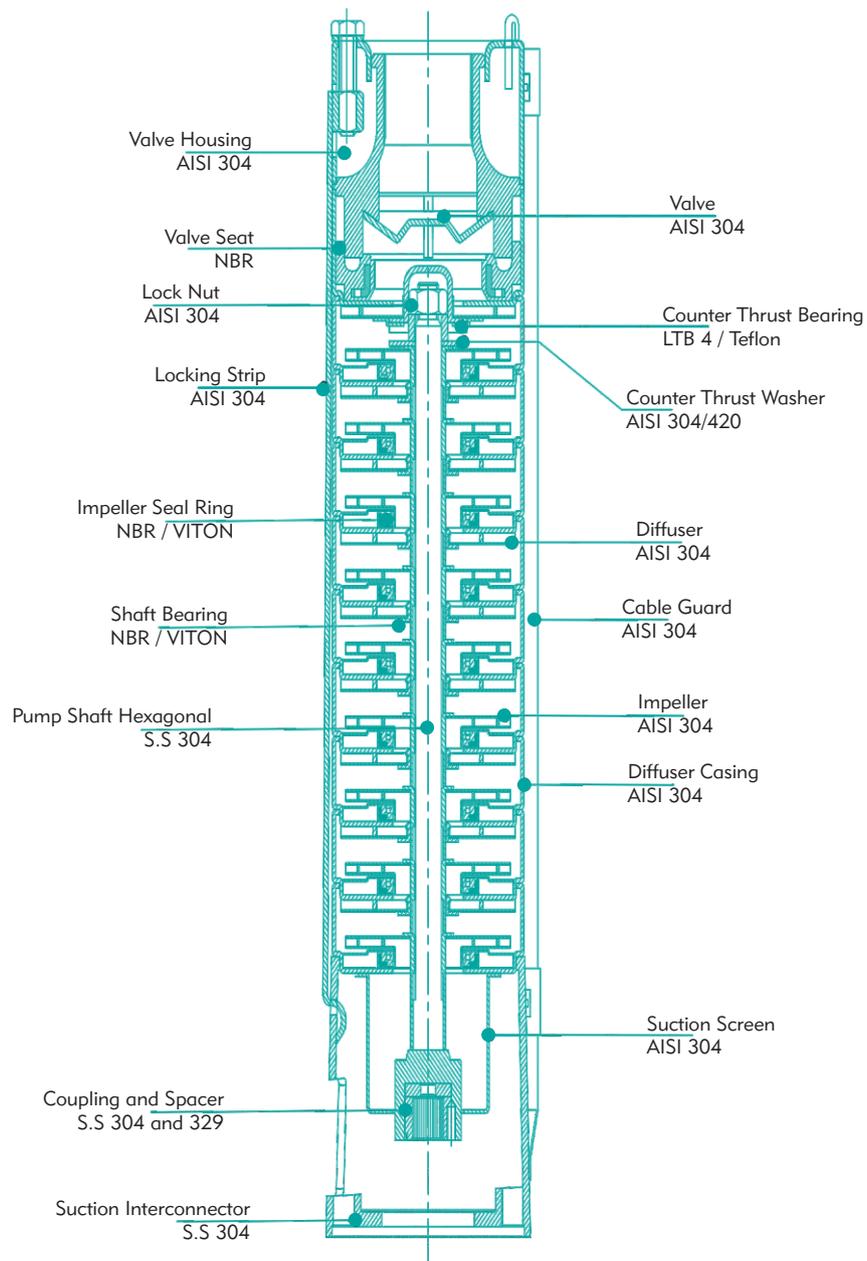
Performance Curve Conditions

a.	The Performance curves show pump performance of the pump at rated speed and voltage. (2900 rpm)	e.	The head and discharge are inclusive of check valve and suction inter-connector losses at the actual speed.
b.	The measurements were made with airless water at 20°C. For pumping liquids with a density higher than that of water, motors with correspondingly higher outputs must be used.	f.	Efficiency curve: ("EFF%") shows pump stage efficiency.
c.	Pipe friction losses have not been included in the performance curves and performance data.	g.	Curve tolerance according to ISO : 9906, Annex-A.
d.	The bold curves indicate the recommended performance range.	h.	The performance are at rated voltage and are only Indicative. Actual discharge depends on availability of water in well, based on strength of water source, height of water column, submergence of pump, etc.,
		i.	The given performance are for a specific materials of construction of pumps.

CONSTRUCTIONAL DATA

1 - 3m³/hr

4" > TS Series > Version TS > Constructional Data of Radial Flow Pump



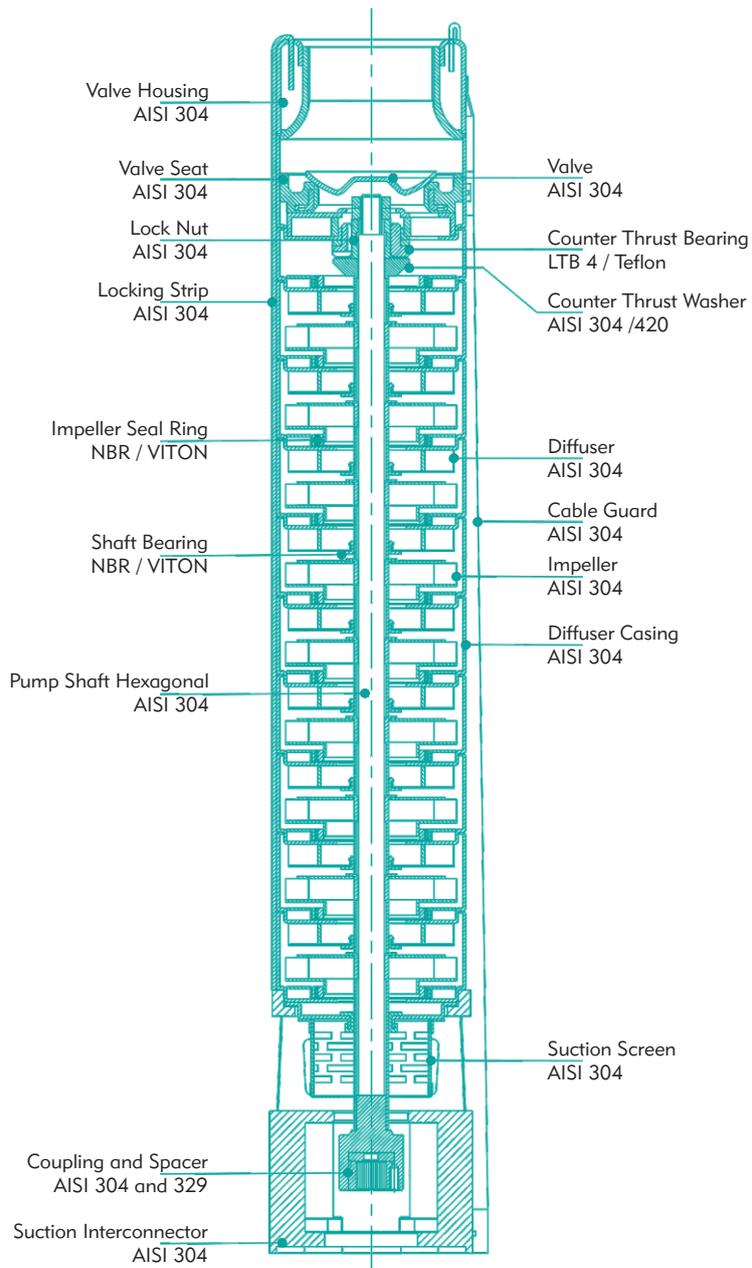
Pump Version - TS = AISI 304 Construction

NEMA mounting dimensions.

CONSTRUCTIONAL DATA

5 - 8 m³/hr

4" > TS Series > Version TS > Constructional Data of Radial Flow Pump



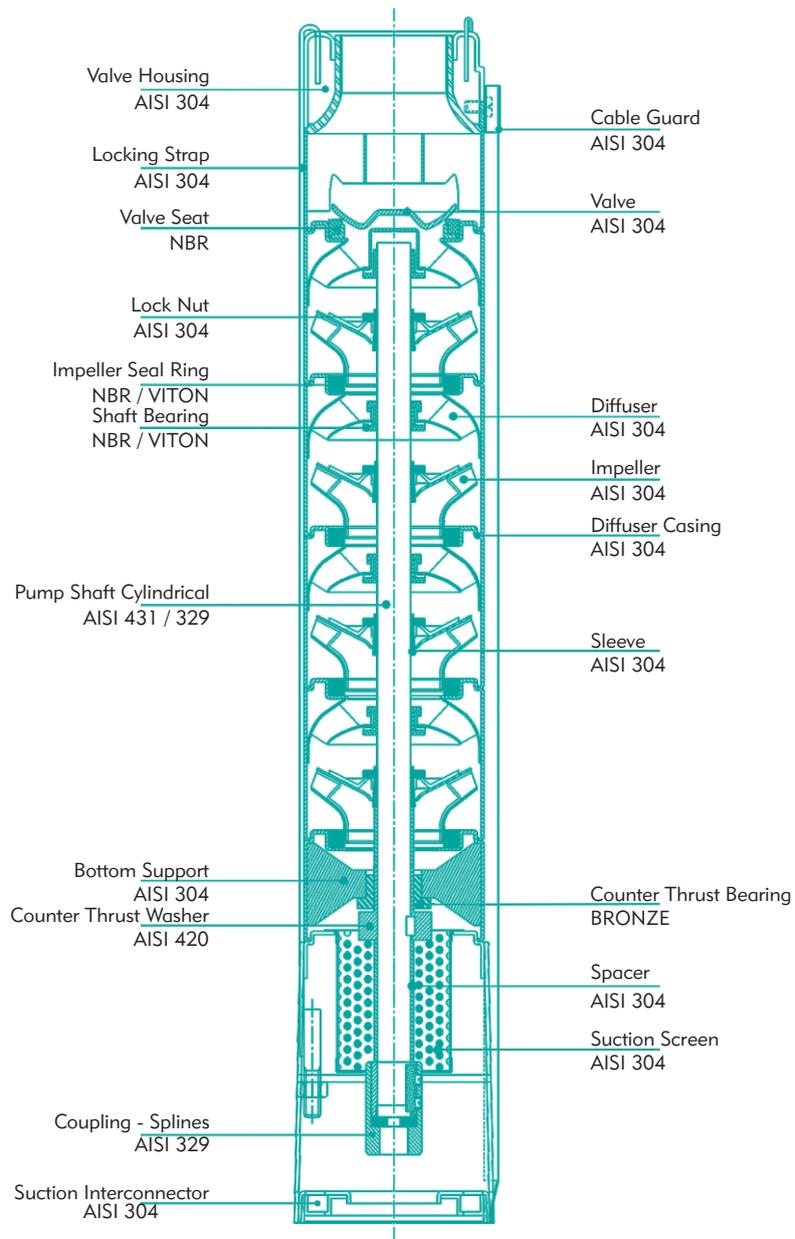
Pump Version - TS = AISI 304 Construction

NEMA mounting dimensions.

CONSTRUCTIONAL DATA

14 m³/hr

4" > TS Series > Version TS > Constructional Data of Semi - Axial Flow Pump



Pump Version - TS = AISI 304 Construction
NEMA mounting dimensions.

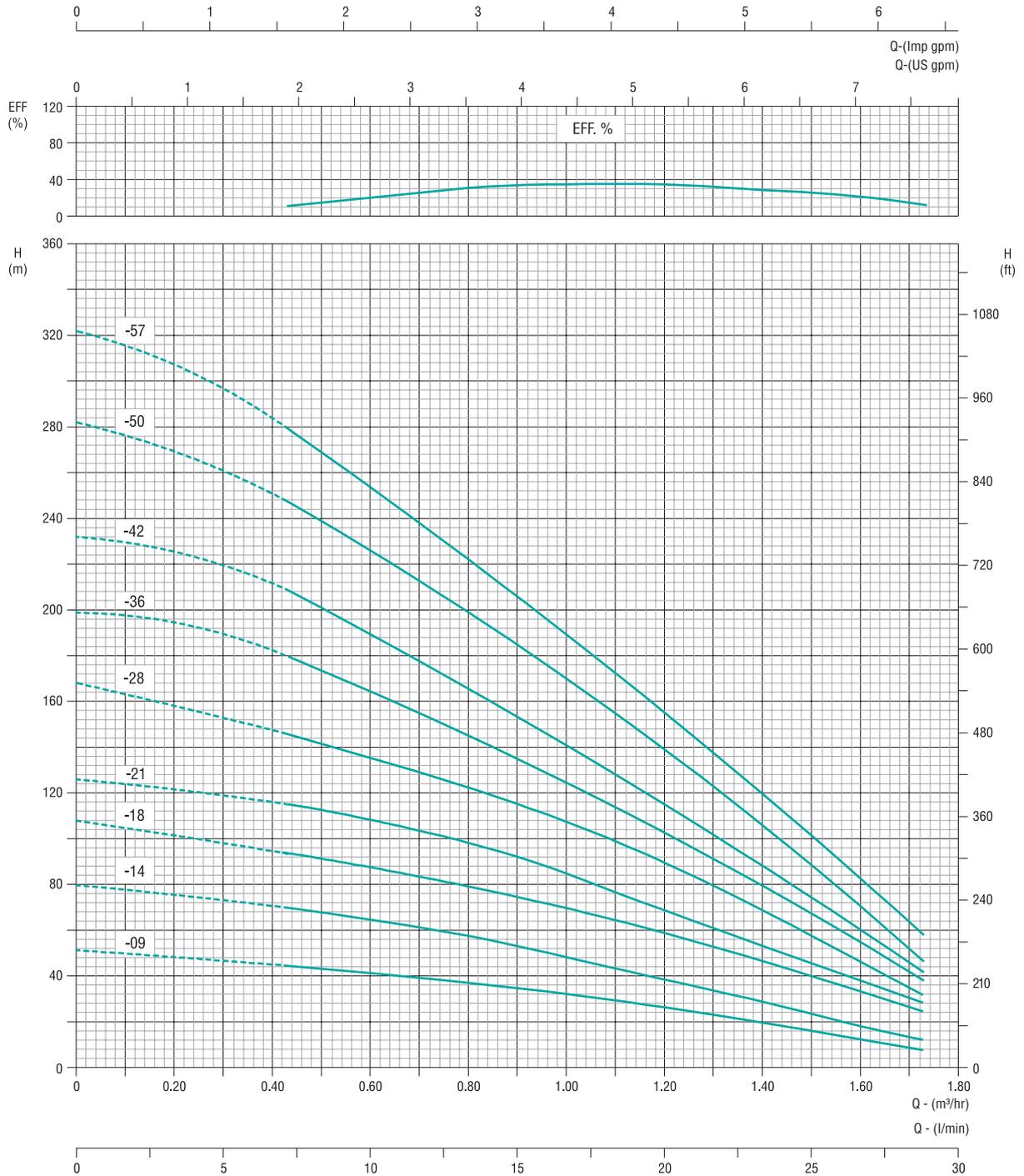
PERFORMANCE CURVES

TS SERIES > 4" > 1 m³/hr

Model : **TS100-1**

Outlet Size : **1 1/4"**

2900 rpm



Curve tolerance according to ISO 9906:2012, Grade 3B

PERFORMANCE DATA

TS SERIES > 4" > 1 m³/hr

Model : **TS100-1**

Outlet Size : 1 1/4"

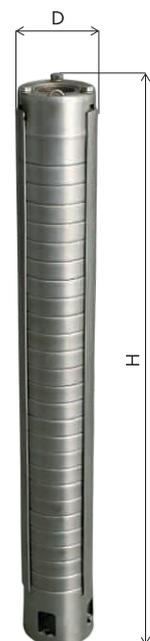
2900 rpm

Pump Model	Power		lpm m ³ /hr	0	6.6	10	13.3	16.6	20	23.3	26.6	28.3
	kW	HP		0	0.40	0.60	0.80	1.0	1.2	1.4	1.6	1.7
TS100-1-09	0.37	0.5	Total Dynamic Head in Meters	50	45	41	38	32	26.5	20	12	9
TS100-1-14	0.37	0.5		80	70.5	65	58	49	39	29	18	12.5
TS100-1-18	0.55	0.75		105	94	88	79.5	70	59.5	47	33	26
TS100-1-21	0.55	0.75		125	116.5	108.5	99	85	69.5	53	39	30
TS100-1-28	0.75	1		165	148	135	122.5	107.5	90	69	47	35
TS100-1-36	1.1	1.5		198	182	165	145	123	102	80	54	41
TS100-1-42	1.1	1.5		230	211	190	165	140	116	89	60	45
TS100-1-50	1.5	2		280	250	226	199	170	140	106	70	51
TS100-1-57	1.5	2		320	284	253	221	189	155	120	82	63

Nett Weights & Dimensions

Pump Model	Power		Dimensions in mm		Nett Weight (kg)
	kW	HP	D	H	
TS100-1-09	0.37	0.5	97	356	4.40
TS100-1-14	0.37	0.5	97	466	6.10
TS100-1-18	0.55	0.75	97	554	7.30
TS100-1-21	0.55	0.75	97	620	8.40
TS100-1-28	0.75	1	97	774	10.70
TS100-1-36	1.1	1.5	97	1118	16.90
TS100-1-42	1.1	1.5	97	1262	18.70
TS100-1-50	1.5	2	97	1478	21.40
TS100-1-57	1.5	2	97	1646	22.80

Pump Height(H) and Weight(Kg) are approximate.



All performance data is based on rated input.

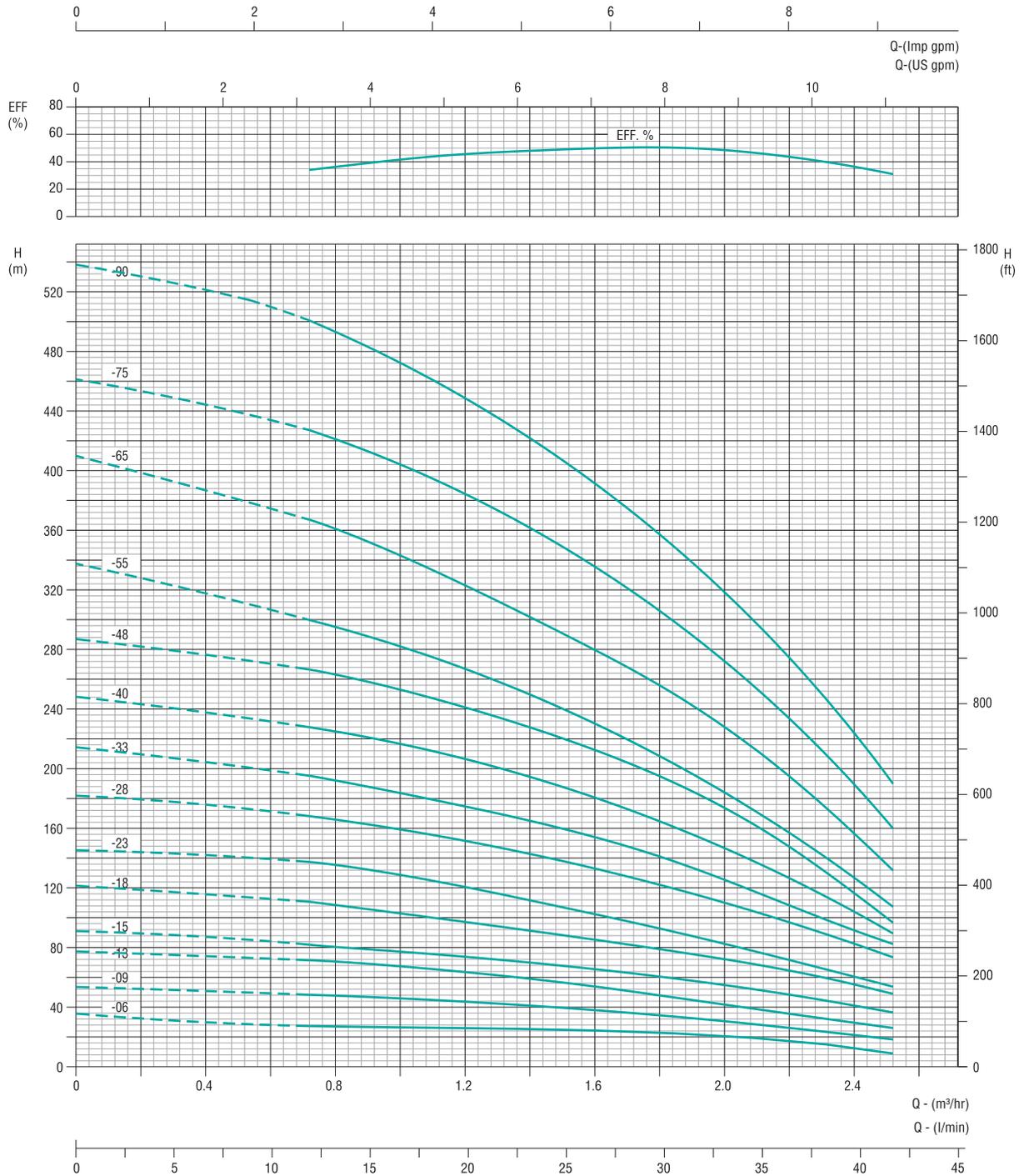
PERFORMANCE CURVES

TS SERIES > 4" > 2 m³/hr

Model : **TS100-2**

Outlet Size : **1 1/4"**

2900 rpm



Curve tolerance according to ISO 9906:2012, Grade 3B

PERFORMANCE DATA

TS SERIES > 4" > 2 m³/hr

Model : **TS100-2**

Outlet Size : 1¼"

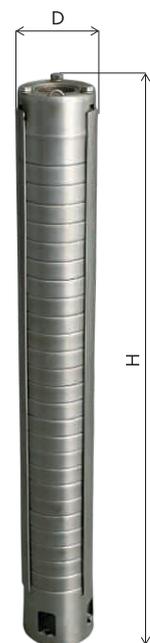
2900 rpm

Pump Model	Power		lpm m ³ /hr	0	10	16.6	23.3	30.3	33.3	36.6	41.6
	kW	HP		0	0.6	1	1.4	1.8	2	2.2	2.5
TS100-2-06	0.37	0.5	Total Dynamic Head in Meters	35	28	26.5	25	23	20	17	8
TS100-2-09	0.37	0.5		54	49	45	40	35	30	25	19
TS100-2-13	0.55	0.75		76	72	68	60	48	42	36	27
TS100-2-15	0.55	0.75		90	82	78	70	60	57	48	38
TS100-2-18	0.75	1		120	115	102	92	80	72	63	50
TS100-2-23	1.1	1.5		145	140	128	113	93	82	71	57
TS100-2-28	1.5	2		180	172	160	142	121	110	98	77
TS100-2-33	1.5	2		215	199	183	165	140	124	108	82
TS100-2-40	2.2	3		249	232	218	195	165	144	127	92
TS100-2-48	2.2	3		285	272	254	227	195	174	148	100
TS100-2-55	3	4		335	306	282	250	209	183	158	110
TS100-2-65	3	4		405	375	342	301	257	228	196	138
TS100-2-75	4	5.5		460	435	403	363	305	272	235	164
TS100-2-90	4	5.5		535	513	473	421	358	319	276	198

Nett Weights & Dimensions

Pump Model	Power		Dimensions in mm		Nett Weight (kg)
	kW	HP	D	H	
TS100-2-06	0.37	0.5	97	290	4.10
TS100-2-09	0.37	0.5	97	356	4.80
TS100-2-13	0.55	0.75	97	444	5.70
TS100-2-15	0.55	0.75	97	488	6.10
TS100-2-18	0.75	1	97	554	6.80
TS100-2-23	1.1	1.5	97	664	8.00
TS100-2-28	1.5	2	97	774	9.10
TS100-2-33	1.5	2	97	1046	10.20
TS100-2-40	2.2	3	97	1214	12.50
TS100-2-48	2.2	3	97	1430	15.20
TS100-2-55	3	4	97	1598	17.50
TS100-2-65	3	4	97	1862	22.30
TS100-2-75	4	5.5	97	2102	26.80
TS100-2-90	4	5.5	97	2486	33.20

Pump Height(H) and Weight(Kg) are approximate.



All performance data is based on rated input.

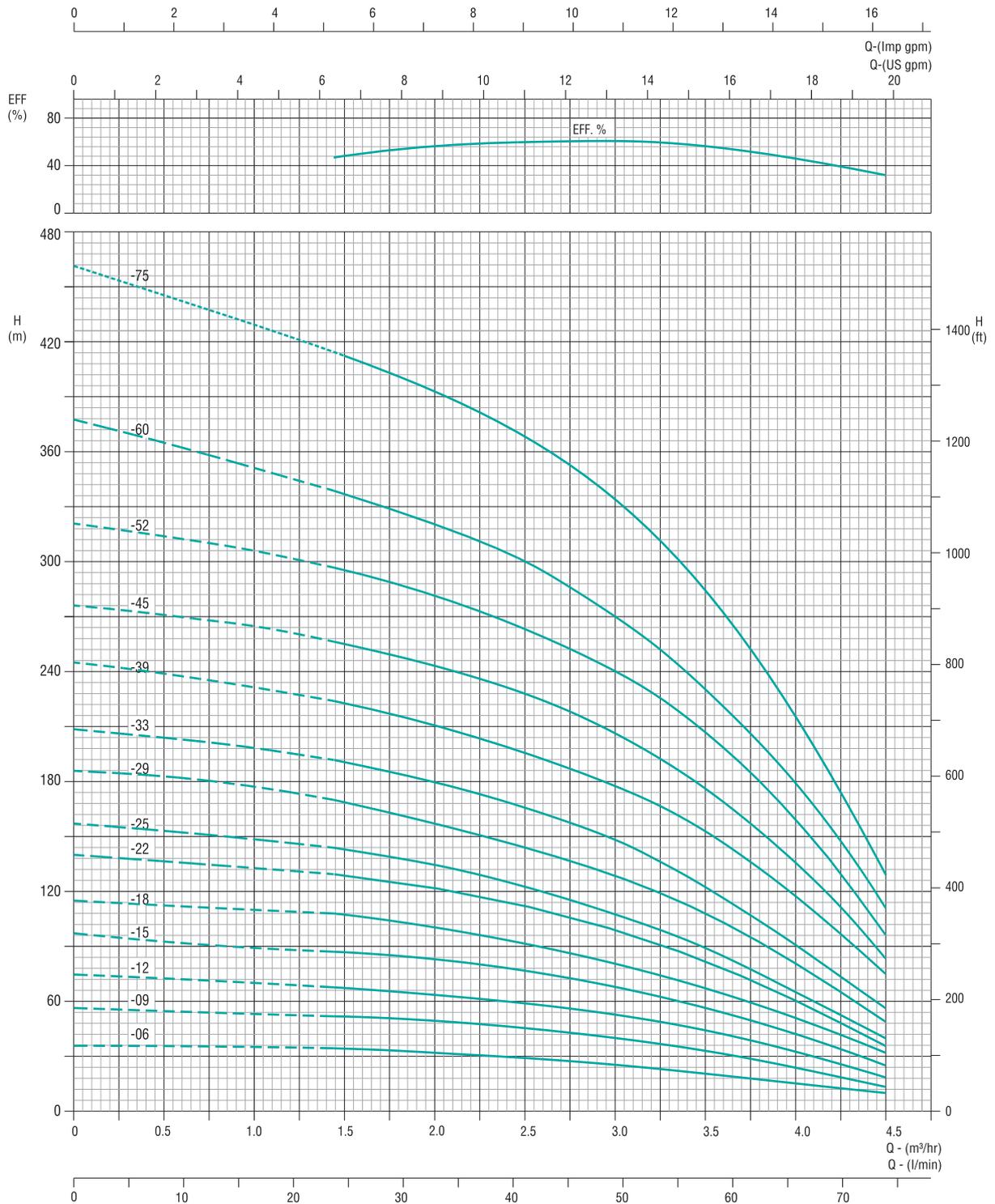
PERFORMANCE CURVES

TS SERIES > 4" > 3 m³/hr

Model : **TS100-3**

Outlet Size : **1 1/4"**

2900 rpm



Curve tolerance according to ISO 9906:2012, Grade 3B

PERFORMANCE DATA

TS SERIES > 4" > 3 m³/hr

Model : **TS100-3**

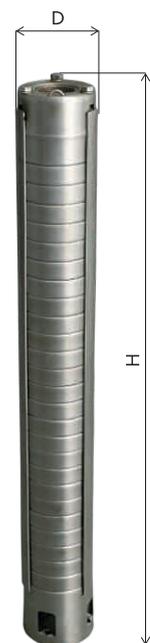
Outlet Size : 1¼"

2900 rpm

Pump Model	Power		lpm m ³ /hr	0	25	33.5	41.6	50	58.3	66.6	75
	kW	HP		0	1.5	2	2.5	3	3.5	4	4.5
TS100-3-06	0.37	0.5	Total Dynamic Head in Meters	35	34	31	29	25	20	15	10
TS100-3-09	0.55	0.75		56	52	50	45	40	32	24	14
TS100-3-12	0.75	1		75	67	63	60	53	45	32	19
TS100-3-15	1.1	1.5		98	86	82	76	67	55	41	25
TS100-3-18	1.1	1.5		115	106	100	91	80	66	50	32
TS100-3-22	1.5	2		140	129	121	111	99	80	60	35
TS100-3-25	1.5	2		156	143	135	122	107	89	65	40
TS100-3-29	2.2	3		185	169	156	144	129	108	80	50
TS100-3-33	2.2	3		209	190	180	166	149	123	90	57
TS100-3-39	3	4		245	223	210	195	177	153	117	75
TS100-3-45	3	4		275	255	243	227	206	176	135	81
TS100-3-52	4	5.5		320	295	280	263	240	207	160	97
TS100-3-60	4	5.5		377	337	320	300	270	230	180	110
TS100-3-75	5.5	7.5		465	415	395	370	332	282	220	132

Nett Weights & Dimensions

Pump Model	Power		Dimensions in mm		Nett Weight (kg)
	kW	HP	D	H	
TS100-3-06	0.37	0.5	97	290	3.30
TS100-3-09	0.55	0.75	97	356	4.10
TS100-3-12	0.75	1	97	422	5.00
TS100-3-15	1.1	1.5	97	488	6.00
TS100-3-18	1.1	1.5	97	554	7.00
TS100-3-22	1.5	2	97	642	8.10
TS100-3-25	1.5	2	97	708	9.10
TS100-3-29	2.2	3	97	796	10.20
TS100-3-33	2.2	3	97	1046	12.90
TS100-3-39	3	4	97	1190	15.40
TS100-3-45	3	4	97	1334	16.40
TS100-3-52	4	5.5	97	1526	18.60
TS100-3-60	4	5.5	97	1718	21.20
TS100-3-75	5.5	7.5	97	2148	26.50



Pump Height(H) and Weight(Kg) are approximate.

All performance data is based on rated input.

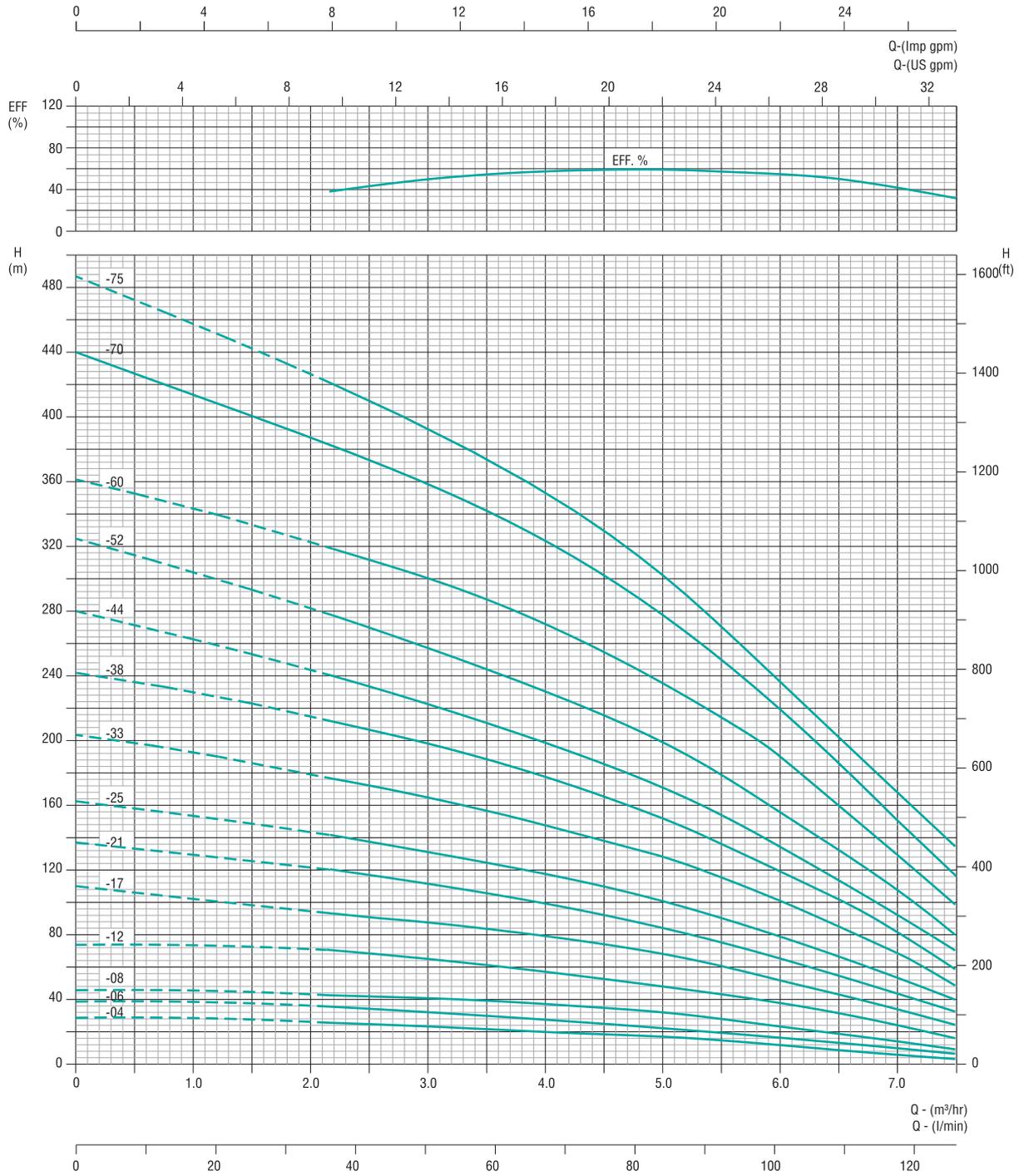
PERFORMANCE CURVES

TS SERIES > 4" > 5 m³/hr

Model : **TS100-5**

Outlet Size : **1½"**

2900 rpm



Curve tolerance according to ISO 9906:2012, Grade 3B

PERFORMANCE DATA

TS SERIES > 4" > 5 m³/hr

Model : **TS100-5**

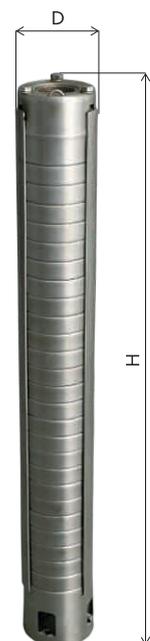
Outlet Size : 1½"

2900 rpm

Pump Model	Power		lpm m ³ /hr	0	33.3	50	66.6	83.4	100	116.6
	kW	HP		0	2	3	4	5	6	7
TS100-5-04	0.37	0.5	Total Dynamic Head in Meters	28	26	22.5	20	17	12	5
TS100-5-06	0.55	0.75		39	36	32	28	22	17	10
TS100-5-08	0.75	1		46	42.5	40	37	32	23	15
TS100-5-12	1.1	1.5		75	71	65	57	48	38	24
TS100-5-17	1.5	2		108	94	88	80	68	51	33
TS100-5-21	2.2	3		138	121	112	99	84	65	42
TS100-5-25	2.2	3		162	143	131	119	102	77	53
TS100-5-33	3	4		202	179	165	147	128	100	68
TS100-5-38	4	5.5		241	215	198	177	152	119	81
TS100-5-44	4	5.5		280	244	223	199	170	134	92
TS100-5-52	5.5	7.5		324	281	258	230	199	156	108
TS100-5-60	5.5	7.5		360	322	300	262	236	190	130
TS100-5-70	7.5	10		440	389	360	325	279	220	152
TS100-5-75	7.5	10		487	427	392	352	302	237	168

Nett Weights & Dimensions

Pump Model	Power		Dimensions in mm		Nett Weight (kg)
	kW	HP	D	H	
TS100-5-04	0.37	0.5	97	253	2.80
TS100-5-06	0.55	0.75	97	301	3.50
TS100-5-08	0.75	1	97	349	4.00
TS100-5-12	1.1	1.5	97	445	5.40
TS100-5-17	1.5	2	97	565	6.90
TS100-5-21	2.2	3	97	661	8.00
TS100-5-25	2.2	3	97	757	9.10
TS100-5-33	3	4	97	1025	13.90
TS100-5-38	4	5.5	97	1147	15.30
TS100-5-44	4	5.5	97	1315	17.80
TS100-5-52	5.5	7.5	97	1605	20.50
TS100-5-60	5.5	7.5	97	1725	22.50
TS100-5-70	7.5	10	97	1945	25.00
TS100-5-75	7.5	10	97	2080	27.75



Pump Height(H) and Weight(Kg) are approximate.

All performance data is based on rated input.

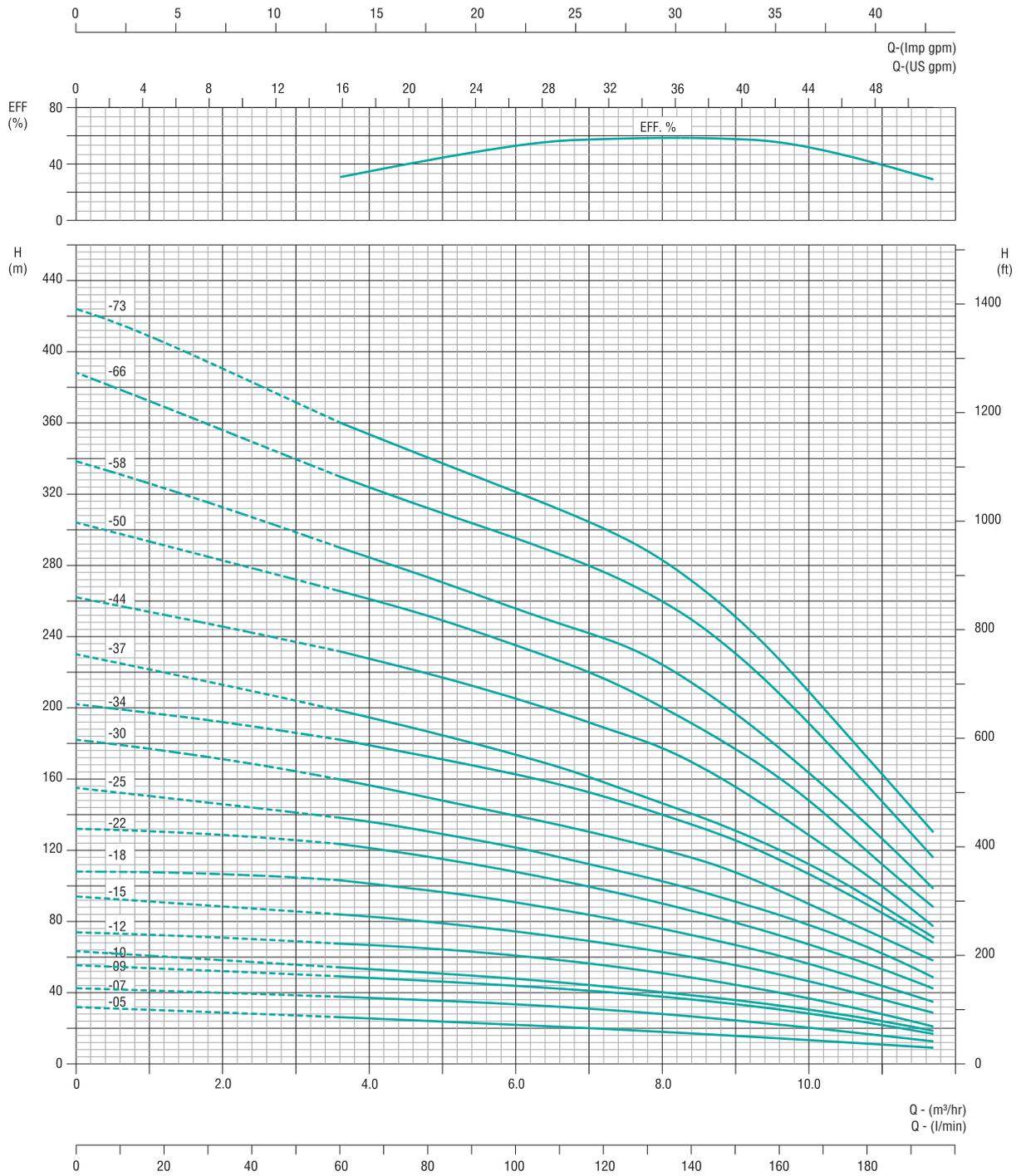
PERFORMANCE CURVES

TS SERIES > 4" > 8 m³/hr

Model : **TS100-8**

Outlet Size : **2"**

2900 rpm



Curve tolerance according to ISO 9906:2012, Grade 3B

PERFORMANCE DATA

TS SERIES > 4" > 8 m³/hr

Model : **TS100-8**

Outlet Size : **2"**

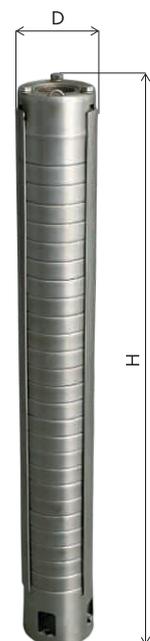
2900 rpm

Pump Model	Power		lpm m ³ /hr	0	50	66.6	83.4	100	116.6	133.3	150	166.6	183.3
	kW	HP		0	3	4	5	6	7	8	9	10	11
TS100-8-05	0.75	1	Total Dynamic Head in Meters	32	27	25	24	22	20	18	16	13.5	11
TS100-8-07	1.1	1.5		42	39	37	36	34	32	27	25	20	16
TS100-8-09	1.5	2		55	50	49	46	44	42	38	34	28	22
TS100-8-10	1.5	2		63	55	52	50	48	44	40	36	30	24
TS100-8-12	2.2	3		74	69	67	64	61	56	51	45	37	27.5
TS100-8-15	2.2	3		94	86	83	79	75	69	63	55	48	36
TS100-8-18	3	4		108	105	101	96	91	84	76	67	56	44
TS100-8-22	4	5.5		132	126	121	115	108	99	90	79	67	54
TS100-8-25	4	5.5		155	141	136	129	122	112	103	91	78	62
TS100-8-30	5.5	7.5		182	164	156	148	139	130	120	107	90	71
TS100-8-34	5.5	7.5		202	185	179	171	163	153	140	126	107	85
TS100-8-37	5.5	7.5		230	204	195	185	173	162	146	131	112	89
TS100-8-44	7.5	10		262	237	228	217	205	191	177	156	129	100
TS100-8-50	7.5	10		304	272	261	249	235	220	200	176	148	112
TS100-8-58-6	9.3	12.5		339	300	284	270	255	241	225	198	162	127
TS100-8-66-6	11	15		378	340	323	310	295	280	260	230	190	149
TS100-8-73-6	11	15		422	370	352	338	320	305	282	250	209	161

Nett Weights & Dimensions

Pump Model	Power		Dimensions in mm		Nett Weight (kg)
	kW	HP	D	H	
TS100-8-05	0.75	1	97	410	5
TS100-8-07	1.1	1.5	97	482	5
TS100-8-09	1.5	2	97	554	6
TS100-8-10	1.5	2	97	590	6
TS100-8-12	2.2	3	97	662	7
TS100-8-15	2.2	3	97	770	9
TS100-8-18	3	4	97	878	10
TS100-8-22	4	5.5	97	1022	12
TS100-8-25	4	5.5	97	1152	13
TS100-8-30	5.5	7.5	97	1232	15
TS100-8-34	5.5	7.5	97	1476	17
TS100-8-37	5.5	7.5	97	1606	19
TS100-8-44	7.5	10	97	1860	22
TS100-8-50	7.5	10	97	2076	25
TS100-8-58-6	9.3	12.5	97	2390	30
TS100-8-66-6	11	15	97	2678	35
TS100-8-73-6	11	15	97	2954	39

Pump Height(H) and Weight(Kg) are approximate.



All performance data is based on rated input.

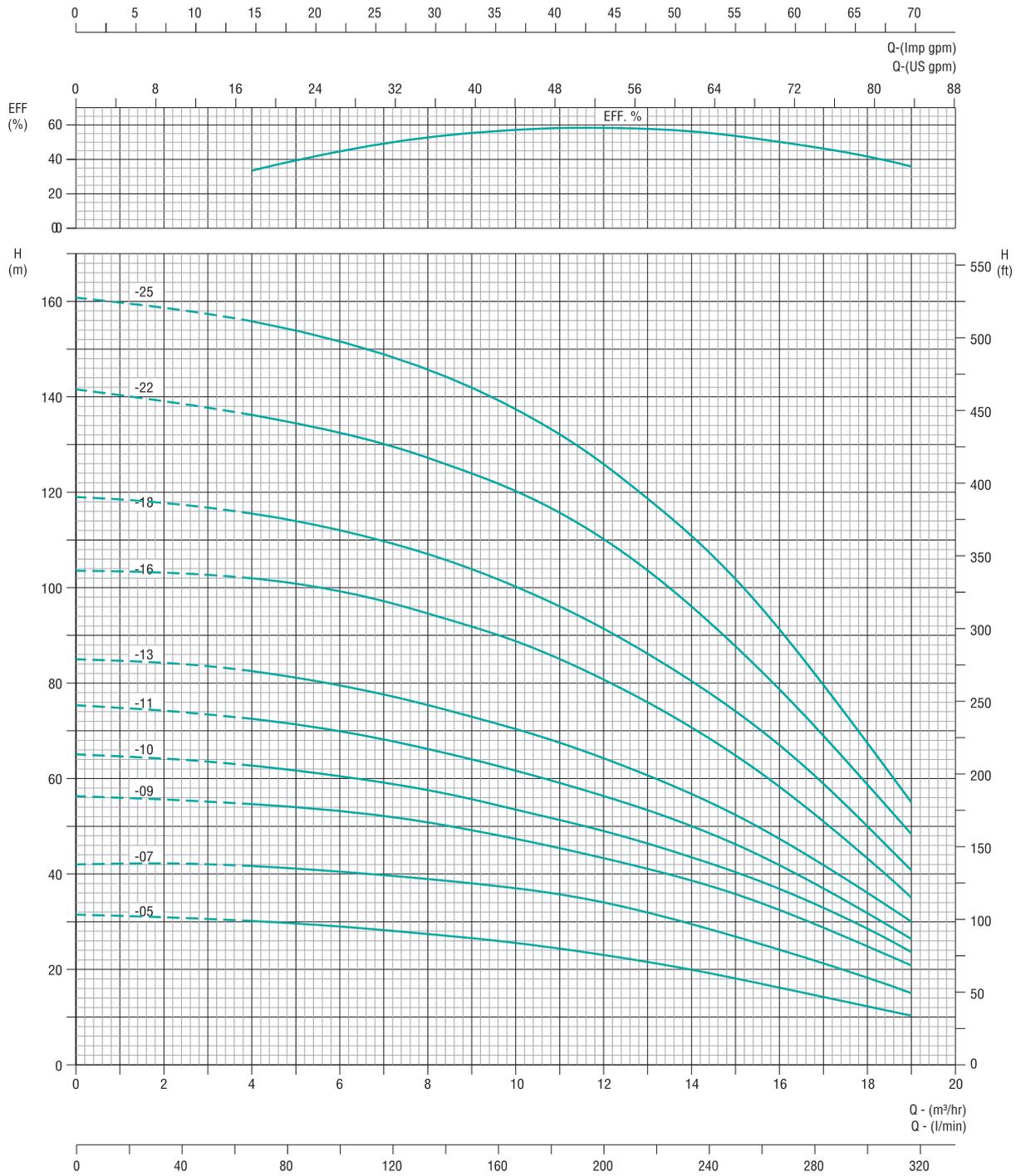
PERFORMANCE CURVES

TS SERIES > 4" > 14 m³/hr

Model : **TS100-14**

Outlet Size : **2"**

2900 rpm



Curve tolerance according to ISO 9906:2012, Grade 3B

PERFORMANCE DATA

TS SERIES > 4" > 14 m³/hr

Model : **TS100-14**

Outlet Size : **2"**

2900 rpm

Pump Model	Power		lpm m ³ /hr	0	66.6	100	133.3	166.6	200	233.4	266.4	300
	kW	HP		0	4	6	8	10	12	14	16	18
TS100-14-05	1.5	2	Total Dynamic Head in Meters	31	30	29	28	26	23	20	16	12
TS100-14-07	2.2	3		42	41	40	39	37	33	29	24	15
TS100-14-09	3	4		56	55	53	51	47	43	38	32	25
TS100-14-10	3	4		65	63	60	57	54	49	43	37	29
TS100-14-11	3.7	5		75	72	70	66	62	56	50	42	32
TS100-14-13	4	5.5		85	83	80	75	70	64	56	47	36
TS100-14-16	5.5	7.5		104	102	99	95	89	81	71	59	44
TS100-14-18	5.5	7.5		119	115	112	107	100	91	81	56	50
TS100-14-22	7.5	10		141	136	132	127	120	111	96	78	58
TS100-14-25	7.5	10		161	156	152	145	137	125	110	91	68

Nett Weights & Dimensions

Pump Model	Power		Dimensions in mm		Nett Weight (kg)
	kW	HP	D	H	
TS100-14-05	1.5	2	97	573	6.50
TS100-14-07	2.2	3	97	703	7.80
TS100-14-09	3	4	97	833	9.10
TS100-14-10	3	4	97	898	9.90
TS100-14-11	3.7	5	97	963	10.80
TS100-14-13	4	5.5	97	1093	12.70
TS100-14-16	5.5	7.5	97	1288	14.80
TS100-14-18	5.5	7.5	97	1418	16.20
TS100-14-22	7.5	10	97	1678	19.00
TS100-14-25	7.5	10	97	1873	21.10

Pump Height(H) and Weight(Kg) are approximate.

All performance data is based on rated input.



CABLE SELECTION CHART

For Three Phase 6 wire (S.D.) Motor Maximum Length of Copper Cable

Motor Rating			Cable Size In American Wire Gauge																				
VOLTS	kW	HP	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630		
380 - 415 VOLT 50Hz	5.5	7.5	91	143	234	351	572	896	1377	1884													
	7.5	10	65	104	169	260	403	650	974	1338													
	9.3	12.5		91	143	221	364	572	870	1182	1624												
	11	15		78	130	182	299	481	714	974	1377	1832											
	13	17.5			104	143	260	403	611	844	1156	1533											
	15	20			91	130	221	351	533	740	1026	1364	1741										
	18.5	25				104	182	273	429	585	799	1065	1364	1624									
	22	30					156	234	364	494	688	922	1169	1403	1650								
	26	35					130	195	299	403	572	792	1000	1221	1429	1650							
	30	40					117	169	273	364	520	675	870	1013	1208	1390	1624						
	37	50						143	221	299	416	546	701	831	974	1117	1312	1494					
	45	60							182	247	338	468	598	727	870	1013	1208	1377					
	55	75								208	286	377	494	611	714	831	987	1137					
	63	85								188	260	299	442	546	637	740	870	1000					
	75	100									208	286	377	455	533	611	727	831	974				
	93	125									170	234	299	364	429	494	585	662	779				
	110	150											260	312	377	429	520	598	701	786			
	130	175											221	266	325	377	442	520	598	688	760		
	150	200												234	279	325	390	455	539	604	669		
	166	225													234	286	338	390	455	520	578		
185	250														260	312	364	429	481	539			
220	300															247	286	331	372	410			
260	350																247	286	325	357			
300	400																	214	247	273	312		

Maximum Length in Meters

The given cable lengths are the maximum one from POWER TO MOTOR, Exceeding the lengths mentioned will void warranty.

CONVERSION CHART

Flow Rate

litre per second l/s	litre per minute l/min	cubic meter per hour m ³ /h	cubic foot per hour ft ³ /h	cubic foot per minute ft ³ /min	Imp.gallon per minute Imp.gal./min	US gallon per minute Us gal./min	Us barrel per day Is barrel/d (Petroleum)
1	60	3.6	127.133	2.1189	13.2	15.85	543.439
0.017	1	0.06	2.1189	0.0353	0.22	0.264	9.057
0.278	16.667	1	35.3147	0.5886	3.666	4.403	150.955
0.008	0.472	0.0283	1	0.0167	0.104	0.125	4.275
0.472	28.317	1.6990	60	1	6.229	7.480	256.475
0.076	4.546	0.2728	9.6326	0.1605	1	1.201	41.175
0.063	3.785	0.2271	8.0209	0.1337	0.833	1	34.286
0.002	0.110	0.0066	0.2339	0.0039	0.024	0.029	1

Liquid

Cubic meter m ³	litre l	Milli litre ml	Imp. gallon Imp. Gal	US gallon US gal	cubic foot ft ³
1	1000	1 x 10 ⁶	220	264.2	35.3147
0.001	1	1000	0.22	0.2642	0.0353
1 x 10 ⁻⁶	0.001	1	2.2 X 10 ⁻⁴	2.642 x 10 ⁻⁴	3.53 x 10 ⁻⁵
0.00455	4.546	4546	1	1.201	0.1605
0.00378	3.785	3785	0.8327	1	0.1337
0.0283	28.317	28317	6.2288	7.4805	1

Liquid Head and Pressure

newton per square meter N/m ² (Pa)	kilo pascal kPa	bar	kilogram force per square centimeter Kgf/cm ²	pound force per square inch psi	foot for water ft H ₂ O	meter of water m H ₂ O	millimeter of mercury mm Hg	inch of mercury in Hg
1	0.001	1 x 10 ⁻⁵	1.02 x 10 ⁻⁵	1.45 x 10 ⁻⁴	3.35 x 10 ⁻⁴	1.02 x 10 ⁻⁴	0.0075	2.95 x 10 ⁻⁴
1000	1	0.01	0.0102	0.145	0.335	0.102	7.5	0.295
1 x 10 ⁵	100	1	1.02	14.5	33.52	10.2	750.1	29.53
98,067	98.07	0.981	1	14.22	32.81	10	735.6	28.96
6895	6.895	0.069	0.0703	1	2.31	0.703	51.72	2.036
2984	2.984	0.03	0.0305	0.433	1	0.305	22.42	0.882
9789	9.789	0.098	0.1	1.42	3.28	1	73.42	2.891
133.3	0.133	0.0013	0.0014	0.019	0.045	0.014	1	0.039
3386	3.386	0.0338	0.0345	0.491	1.133	0.0345	25.4	1

Length

millimeter mm	centimeter cm	meter m	inch in	foot ft	yard yd
1	0.1	0.001	0.0394	0.0033	0.0011
10	1	0.01	0.3937	0.0328	0.0109
1000	100	1	39.3701	3.2808	1.0936
25.4	2.54	0.0254	1	0.0833	0.0278
304.8	30.48	0.3048	12	1	0.3333
914.4	91.44	0.9144	36	3	1

1 Kilometer = 1000 metres = 0.62137 miles 1 mile = 1609.37 metres = 1.60934 kilometers

Mass

kilogram kg	pound lb	hundred weight (cwt)	tonne t	ton long tn	short ton sh tn
1	2.205	0.0197	0.001	9.84 x 10 ⁻⁴	0.0011
0.454	1	0.0089	4.54 x 10 ⁻⁴	4.46 x 10 ⁻⁴	5.0 x 10 ⁻⁴
50.802	112	1	0.0508	0.05	0.056
1000	2204.6	19.684	1	0.9842	1.1023
1016	2240	20	1.0161	1	1.102
907.2	2000	17.857	0.9072	0.8929	1

Temperature

To Convert From	To	Use Formula
Temperature Celsius, tc	Temperature Kelvin, tk	K = tc + 273.15
Temperature Fahrenheit, tf	Temperature Kelvin, tk	K = (tf + 459.67 / 1.8)
Temperature Celsius, tc	Temperature Fahrenheit, tf	F = 1.8 tc + 32
Temperature Fahrenheit, tf	Temperature Celsius, tc	C = (tf - 32) / 1.8
Temperature Kelvin, tk	Temperature Celsius, tc	C = tk - 273.15
Temperature Kelvin, tk	Temperature Fahrenheit, tf	F = 1.8tk - 459.67



T H E P O W E R B E H I N D T H E F O R C E

Naargo Industries Private Limited, one of the leading manufacturers of latest state of art, large range of pumps and motors, is managed by veterans who are in the pump industry for almost half a century. The products are employed in various applications like irrigation, domestic, civil construction, de-watering etc; The Company has a strong distribution network in India for sales & service and a strong global presence.

Quality is the key factor in Naargo's products. The expansive infrastructure and environment accredited with ISO 9001 quality certification, latest engineering softwares, high-tech machinery, futuristic pumping technology and high caliber workforce facilitate the production of flawless and efficient products on par with international standards under the brand name of "Tormac". The well equipped R & D wing stays alive to the changing global trends and comes out with viable solutions for innovative product development and upgradation.

The Products currently available include Stainless Steel Submersible Pumps (SS 304, SS 316 & SS 904L), Submersible Motors (CI, SS 304, SS 316 & SS 904L - HT on optional), Starters & Control Panels, Centrifugal Monoblock Pumps, End Suction Pumps, Close Coupled Pumps, Horizontal Split Case Pumps, Horizontal & Vertical Multistage Pumps, Inline Booster Systems, Sewage, Drainage & Dewatering Pumps, Induction Motors, Submersible Cables, Riser Pipes and Column Pipes.

The power, performance and endurance of the products backed by the uncompromising teamwork and value systems will certainly propel the company's growth towards new horizons in the pump industry.

Naargo Industries Private Limited,

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